# RAILWAY MODELLER

[illegible]

[illegible]

*A Happy New Year to all our readers*

Includes another issue of

**RAILWAY MODELLING EXPLORED**

**FREE**

[illegible]

**Lofthouse** [illegible]

**Bucks Green** [illegible]

**Great Central Girder Bridge** [illegible]

PECO Track

## A must for Christmas and the New Year

[illegible]

[illegible] [illegible]

[illegible] [illegible]

[illegible] [illegible]

[illegible] [illegible]

[illegible] [illegible]

[illegible] [illegible]

O-16.5 [illegible]

[illegible] [illegible]

SM32 [illegible]

[illegible] [illegible]

[illegible] [illegible]

ON TRACK
967
967

New for 2001

# PENNSYLVANIA GG1

## JUST $100!

[illegible] PRR GG1 Electric Locomotive [illegible]

[illegible]

**Have you joined the 2001 K-LINE Collector's Club?**

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

**Already a 2001 KCC Member or Millennium Member?**

- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

**GG1 Features:**

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

KCC

[illegible] Electric Locomotive [illegible]

[illegible]
PRR Fleet of Modernism
15" Passenger Car 4-PAC #2 [illegible]
[illegible]

[illegible]

[illegible]

[illegible] PRR Fleet of Modernism
15" Passenger Car 4-PAC #1 [illegible]
[illegible]

[illegible]

[illegible]

[illegible]

# Quality Railroad Books from Withers Publishing

## Pennsy Electric Pictorial

[illegible]

[illegible]

[illegible]

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## Union Pacific's Sherman Hill in the Diesel Era

[illegible]

[illegible]

[illegible]

## Fairbanks-Morse Erie-builts and H20-44s

[illegible]

[illegible]

[illegible]

NEW
Union Pacific

## Diesels of the Union Pacific 1934-1982 The Classic Era - Volume One

[illegible]

[illegible]

[illegible]

## Kansas City Southern in the Deramus Era

[illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

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[illegible] BOOK & VIDEO REVIEWS

[illegible] NEWSROOM

[illegible] SOCIETIES & CLUBS

## Coming next month

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## EDITOR'S DESK

# Dream layouts

### Hiring a builder doesn't disqualify you as a hobbyist

W[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CLASSIC TOY TRAINS

[illegible]

Editorial offices: [illegible]
Fax: [illegible]
E-mail: [illegible]

[illegible]

# ANY CLOSER TO REAL AND WE WOULD HAVE TO BOLT DOWN THE BUILDER'S PLATES.

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[illegible]

N SCALE

# WHAT'S NEW

N SCALE

Pegasus Hobbies, [illegible] Anaheim, CA [illegible] kit. [illegible]

[illegible] Pennsylvania Railroad's [illegible] 4-4-4-4 [illegible]

[illegible]

[illegible]

## What's New in N Scale

The N Scale Architect, [illegible] bridge. [illegible]

The Union Pacific [illegible]

[illegible] N scale passenger cars. [illegible]

[illegible] passenger cars including this baggage-express car.

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KPC

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MODELLER

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[illegible]

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# Railway of the month

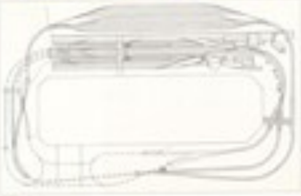
[illegible]

## LOFTHOUSE

Watching the trains go by in N scale

Open fells, a decent station, cuttings, tunnels and embankments were priorities for Bob

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

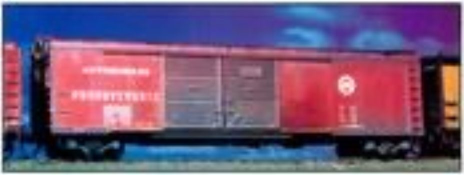
[illegible]

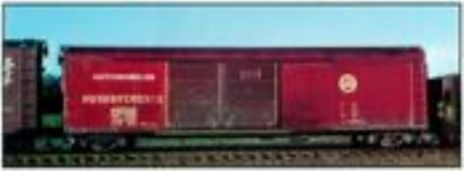
# TWO N SCALE BOX CARS

By Keith M. Kuhlmann

Prototype photo from the collection of James Eager

N scale freight cars can be at least as realistic as their HO scale counterparts, but you will need to make a few modifications, even to the better models. Here's how Keith Kuhlmann upgraded and detailed two Micro-Trains 50-foot box cars to duplicate specific prototypes.





The Pennsylvania Railroad [illegible] 1952 to 1957. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## Modeling The C&NW Waffle-Side 50-Foot Box Car

[illegible]

[illegible]

## Weathering N Scale Freight Cars

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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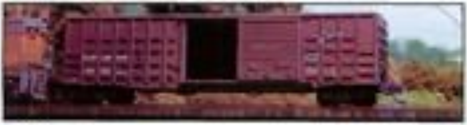
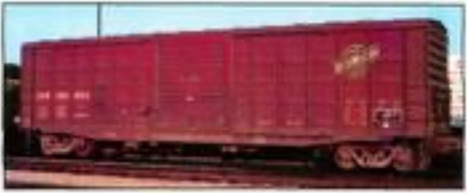
[illegible]

[illegible]





# PROOF OF THE PUDDING

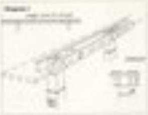
A report from Exbury Southern Railway

Historical 'justification' and new works on the author's upgraded G gauge SR garden line

## Background

[illegible]

[illegible]



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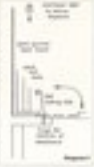

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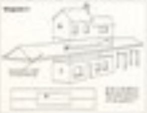

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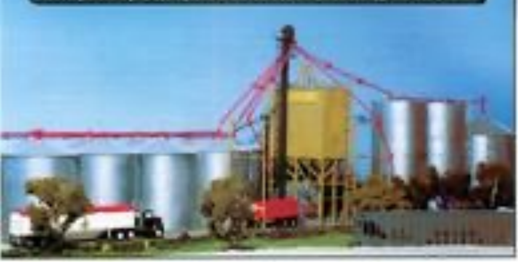
# MODEL HICKS CORNERS GRAIN

Model and Prototype Photos by John Swanson
Plans by [illegible]

These plans are part of a continuing series in "The Journal" to allow you to recreate actual industries. John Swanson is using industries along the Union Pacific and Burlington Northern Railroads as prototypes for the models on his HO scale layout. [illegible] To model this structure, photocopy the plans to reduce or enlarge them to match your scale. [illegible]



This is the [illegible] from John Swanson's layout that has been featured in "The Journal." [illegible]

[illegible]

[illegible]

[illegible]

### INDUSTRY PLANS IN PREVIOUS ISSUES

[illegible]

[illegible]

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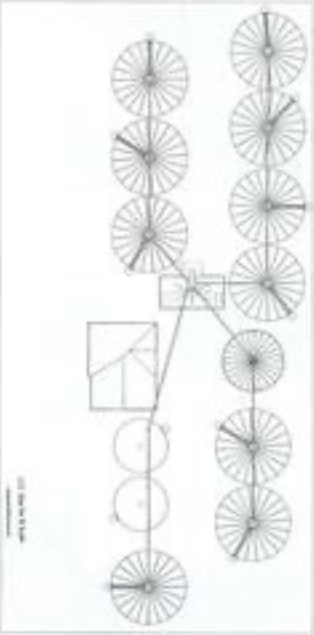
[illegible]

[illegible]



[illegible] Dealer and Silos, [illegible], New York: plans and prototype photos, March 1992.

Seed Processing Plant, at [illegible], Illinois: prototype photos and plans of the building [illegible], August 1989.

Creamery and Grain Elevator at Grand Isle, Vermont: the [illegible] creamery at Grand Isle, [illegible], December 1990 and September 1991.

Creamery, at Grand Isle, Vermont: the original wood buildings, March 1991.

Creamery, at New Sweden, Maine: the [illegible] Creamery complex: plans and prototype photos, March 1990.

Brick and Tile Kilns, [illegible], April 1991.

Sugar Beet Loader, [illegible] Sugar, August 1991.

Sugar Beet Factory, [illegible] Sugar, August 1991.

Brick Factory, [illegible] & [illegible] Works, October 1991.

Grain Elevators and Silos, [illegible] Co., January 1992.

New England Mill: [illegible] Cotton Mill at Lowell, Massachusetts, July 1992.

Waterfront Freight House: Baltimore, Maryland's [illegible] Wharf freight house on the Baltimore & Ohio Railroad at Fells Point, October 1992.

Carfloat Transfer Bridge, at Baltimore's Fells Point District on the Baltimore & Ohio Railroad, November 1992.

Coal Tipple, North Bailey Coal Co. on the Bessemer & Lake Erie Railroad, January 1993.

Coal Tipple, [illegible] Coal Co. Tipple as modeled in N scale by [illegible], January 1993.

Cement Dealer, [illegible] Green Bay, Wisconsin, July 1993.

Cement Factory, at Glens Falls, New York: prototype plans and photos, May 1992 and May 1993.

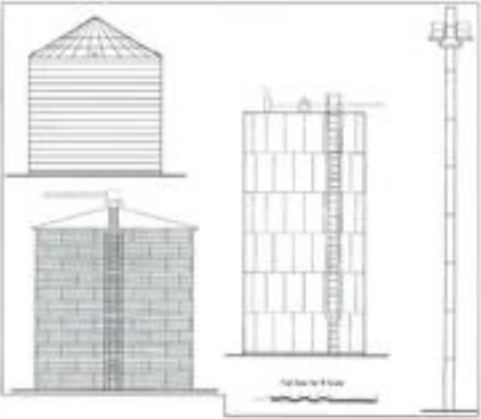
Coal Tipple, the Consolidation Coal Co. tipple at Jenkins, Kentucky, on the C&O Railroad, March 1993.

Brick Mill Building, the [illegible] Cotton Mill at Augusta, Georgia, August 1993.

Coal Tipple, [illegible] Coal Co. at [illegible], Kentucky, on the N&W Railroad, January 1994 with [illegible] information in April 1994.

[illegible] on the CN, [illegible] and model photos and plans, February 1994.

Truck Repair [illegible] garage on the [illegible], May 1994.



[illegible]

New England [illegible]

[illegible]

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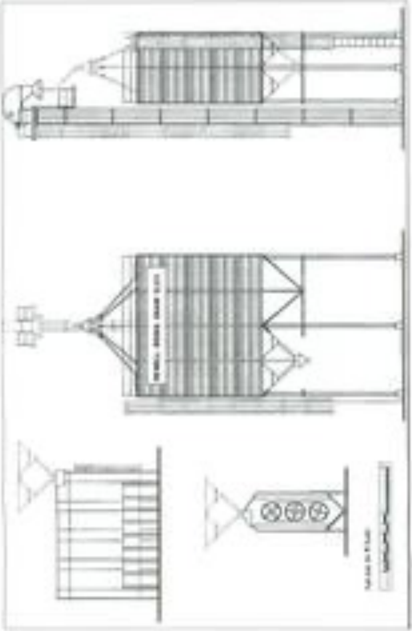
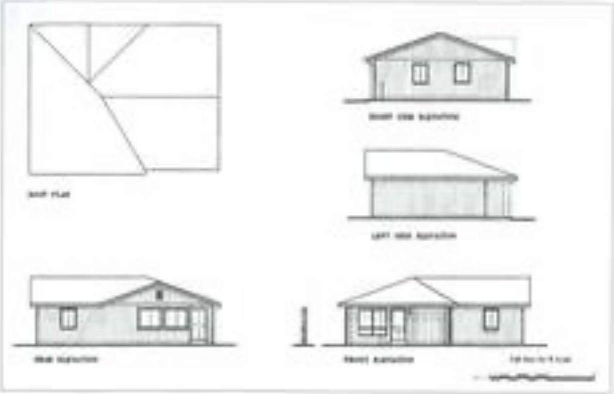



ROOF PLAN
RIGHT SIDE ELEVATION
LEFT SIDE ELEVATION
REAR ELEVATION
FRONT ELEVATION

[illegible]

## HO, N, O, S & G Scale Locomotives

### HO Scale Diesels

[illegible]

### N Scale Diesels

[illegible]

### N Scale Steam Locomotives

[illegible]

### S Scale Diesels

[illegible]

### O Scale Diesels

[illegible]

### O Scale Steam Locomotives

[illegible]

### G Gauge Diesels

[illegible]

### G Gauge Steam Locomotives

[illegible]

### HO Scale Electric Locomotives

[illegible]

### HO Scale Steam Locomotives

[illegible]

# Man bitten by Black Dog

Moving from 009 into 0-9

0-9 represents less than 2' narrow gauge prototypes in 7mm, running on 9mm gauge track

[illegible]

[illegible]

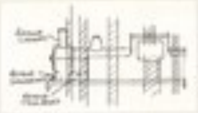
[illegible]

# SOUTHERN C14

## A 'cut-and-shut' job with a Triang Nellie body

Historically, the three ex-LSWR Class C14s were based on 2-2-0T steam railcar engines.

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## Conclusions

[illegible]

# Hobbyshop Window

GREAT NORTHERN

**[illegible]** [illegible] Northern Phase II GP7 [illegible] Proto 2000 [illegible]

**Chopper** [illegible]

◀ [illegible]

▶ [illegible]

▼ [illegible]

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**Non-Weathered Flex-Trak**
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Model Railroad Electronics [illegible]

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# Prototype Info

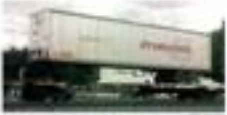
Conducted by Jeff Wilson

[illegible]

**Q. Track on viaduct.** [illegible]

[illegible]

**A.** [illegible]



[illegible]

**Q. Piggyback trailer length.** [illegible]

[illegible]

**A.** [illegible]

**Q.** [illegible]

[illegible]

**A.** [illegible]

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[illegible]

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[illegible]

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[illegible]

## Prototype Info

[illegible]

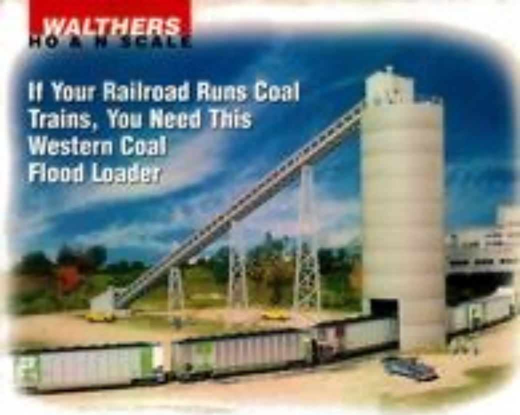
[illegible]

[illegible]

**Q. Track profiles** [illegible]

**A.** [illegible]

[illegible]



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[illegible]

[illegible]

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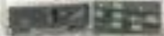

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[illegible]

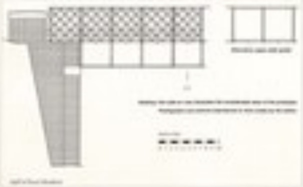
# A GREAT CENTRAL BRIDGE

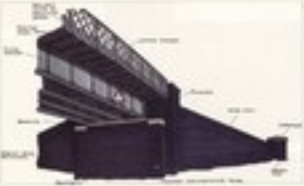
A typical underbridge surveyed for modellers

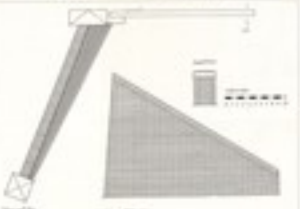
[illegible]

[illegible]

[illegible]







Wing wall Plan

Wing wall Elevation

[illegible]

## [illegible]

[illegible]

[illegible]

## [illegible]

[illegible]

[illegible]

**[illegible]**

**[illegible]**

**[illegible]**

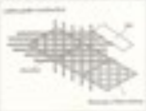
[illegible]

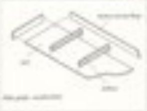
[illegible]

[illegible]

**[illegible]**

**[illegible]**





# More country buildings

Using card, plasticard, paper and acrylic paints

*Attempt to model reality, Richard advises, rather than other modellers' interpretation of it*

[illegible]

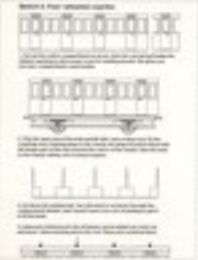
[illegible]

[illegible]

# TRAFFIC FOR TICKLING

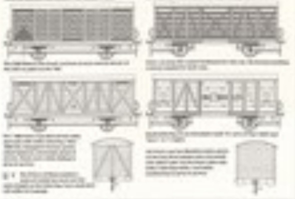
[illegible]

Part of an occasional series on modifying N gauge models to suit light railway practice



[illegible]

[illegible]



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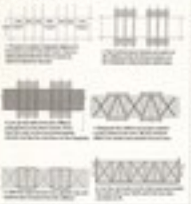
[illegible]



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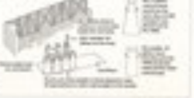


[illegible]

# A GRAIN OF TEAK

## Modifying Bachmann Thompson coaches

*A new teak paint job with some judicious extra detailing makes the difference*

[illegible]

# Let's build the Wildcat Central

## A room-sized HO layout for today's big trains

By Jim Kelly

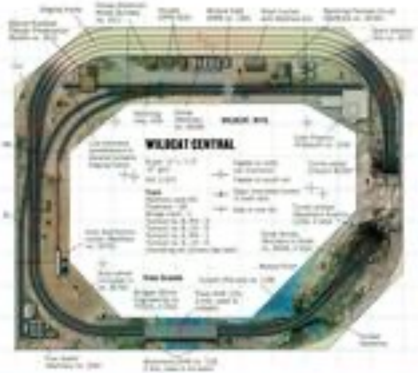
What's the key to a successful model railroad you might ask, and my answer would be the same every time: Concept, concept, concept. Without one you will have a hodge-podge of trains running to no purpose. With one you'll have a layout that will give you – and probably others too – a great deal of satisfaction for years to come.

The concept can hinge on most anything: a favorite railroad, an appealing place and time, your hometown or even a line you've never seen but enjoy reading about. Whatever it is, it'll focus your efforts.

The concept for this layout started with a self-issued challenge: Design a small but satisfying layout featuring today's high-speed, exciting but – unfortunately for the space-starved model railroader – large locomotives and cars. Curves would need to be broad, at least 24" radius or wider, advised senior editor Jim Hediger. So much for the traditional 4 x 8-foot sheet of plywood and train set 18" curves.

A self-inflicted restriction was that the layout needed to fit in a 10 x 12-foot room. After considerable debate with myself and others I chose a simple shelf around the walls and didn't include the typical peninsula projecting into the middle. It wouldn't have gained so much except tight curves, and I like the benefits of this simple plan.

The Union Pacific [illegible] Wyoming [illegible] is closely represented on the layout.


WILDCAT CENTRAL

## HANG 'EM HIGH

[illegible]

[illegible]

[illegible]

## A big view and a little switching

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## Bracket and foam construction

[illegible]

[illegible]

[illegible]

[illegible]

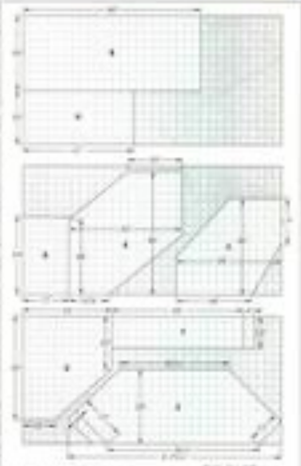
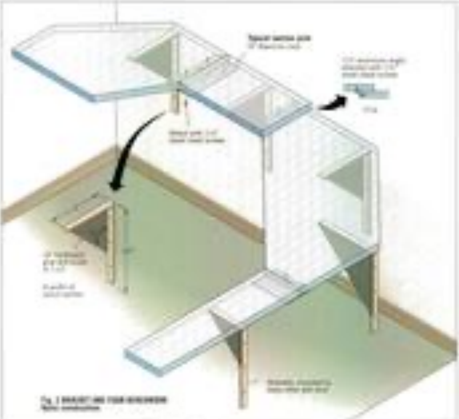


Fig. 1 FOAM CUTTING PATTERNS



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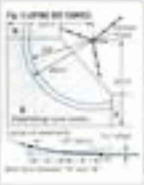
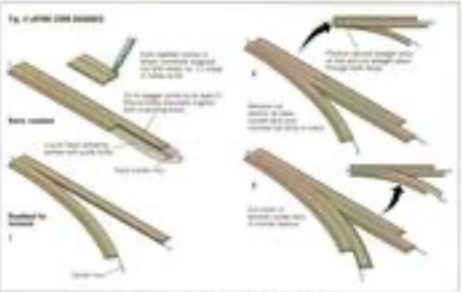


[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## Laying out the track

[illegible]

[illegible]

[illegible]

[illegible]

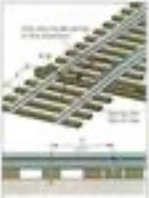
[illegible]

## Roadbed and track

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

## [illegible]

[illegible]

[illegible]

## Tracklaying tips

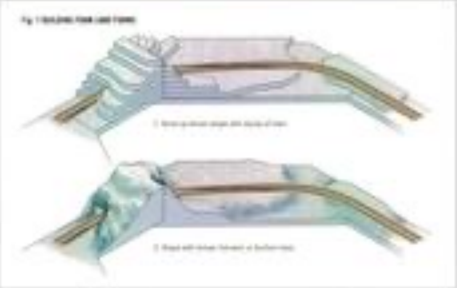
[illegible]

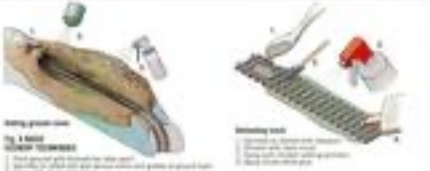
## Control and testing

[illegible]

## Scenery

[illegible]





Adding ground cover

Fig. 2 BASIC SCENERY TECHNIQUES

Ballasting track

[illegible]

## Wrapping up

[illegible]

# MR News

[illegible]

## Milestone in railroad education

[illegible]

[illegible]

## First Nn3 national convention

[illegible]

## Lionel memories contest

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

# Flying the flag in Holland

[illegible]

[illegible]

[illegible]

# The Boy Scouts need you

[illegible]

[illegible]

## New hobby shop

[illegible]

[illegible]

# 2000 National Model and Hobby Show

▲ **N scale [illegible] 4-6-6-4.** [illegible] P. O. Box [illegible] is [illegible] a [illegible] model of a Denver & Rio Grande Western 4-6-6-4 Challenger that includes [illegible] in the cab, piping, and [illegible] details.

This annual, industry-wide trade show was held in Rosemont, Ill., from October 20 through October 22. It serves as a showcase where manufacturers introduce new products for the coming year to their dealers. The show was open to the public for the last two days. The following pages highlight new products you'll be seeing in the coming year. – [illegible]

▲ **HO EMD F59PH passenger locomotive.** Athearn Inc., 19010 Laurel Park Rd., Compton, CA 90220, showed its new EMD F59PH passenger locomotive decorated in the Amtrak California paint scheme.

◄ **HO USRA light 4-6-2 Pacific.** Athearn Inc., 19010 Laurel Park Rd., Compton, CA 90220, introduced an early sample of a USRA light 4-6-2 Pacific steam locomotive. The [illegible] will be available in [illegible] paint schemes as well as undecorated.

▲ [illegible]

◀ [illegible]

▶ [illegible]

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# MR News

▲ **HO Amtrak Acela equipment.** [illegible] Industries Inc., [illegible] Philadelphia, PA [illegible] [illegible]

▲ **HO passenger cars.** [illegible]

▲ [illegible] **short cabooses.** [illegible]

(Continued on page [illegible])

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[illegible], N&W, PRR, SP, UP

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[illegible]

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## Atlas HO Track

[illegible]

## BACHMANN SPECTRUM HO

[illegible]

## Walthers Code 83 HO Track

[illegible]

## PECO

[illegible]

## Shinohara HO Track

[illegible]

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| [illegible] | [illegible] |

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[illegible]
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| 2901 Trackside Structures SALE | [illegible] |
| 2902 Crossing Gates SALE | [illegible] |
| 2903 Trackside Structures SALE | [illegible] |
| 2907 Goldenflame Fuel Co. SALE | [illegible] |
| 3044 Heritage Furniture SALE | [illegible] |
| 3045 Shop Building [illegible] SALE | [illegible] |
| 3046 Scrap Track Scene SALE | [illegible] |
| 3712 [illegible] SALE | [illegible] |
| 3713 [illegible] Ladder Details SALE | [illegible] |
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| 2005 Rocky Point Lighthouse SALE | [illegible] |
| 2706 Golden Flame Fuel [illegible] SALE | [illegible] |
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Union, Erie Lackawanna, Reading, Central, Southern Pacific, Canadian Pacific, Pennsylvania

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|---|---|
| List | [illegible] |
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|---|---|
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| K-3 [illegible] SET | [illegible] |

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| | |
|---|---|
| SALE | [illegible] |

### ATLAS "N" SD35 Locomotive

| | |
|---|---|
| List | [illegible] |
| Sale | [illegible] |

Undec, [illegible]
October Release

### WALTHER'S "N" Goldenflame Fuel Co.

| | |
|---|---|
| List | [illegible] |
| SALE | [illegible] |

## Atlas N Scale Track

[illegible]

## Walthers Cornerstone N

[illegible]

## Kato N Unitrack

[illegible]

[illegible]

[illegible]

## Kalmbach Books

[illegible]

## Woodland Scenics

Trees

[illegible]

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[illegible]

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The MANTUA 75th Anniversary Express

[illegible]

◀ **N scale Union Pacific 4-8-4.** [illegible] is importing painted brass models of Union Pacific 4-8-4 Northerns.

▼ **N scale Alco switchers.** [illegible] is making new plastic Alco S-4 switcher bodies and cabs designed to fit the [illegible] power chassis.

[illegible]

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[illegible]

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[illegible]

[illegible]

# MR News

▲ HO [illegible] switchers. [illegible]

▲ HO Great Northern [illegible]. [illegible]

▲ HO hopper. [illegible]

▲ [illegible] RoadRailer trailers. [illegible]

▲ [illegible]

▶ [illegible]

◀ [illegible]

▶ [illegible]

◀ [illegible]

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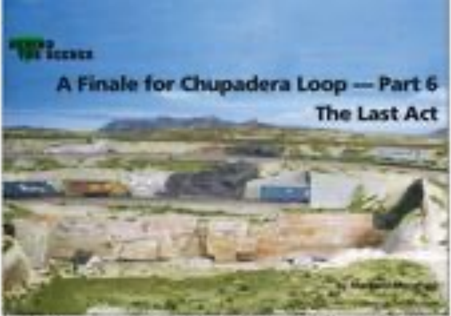
# A Finale for Chupadera Loop — Part 6

## The Last Act

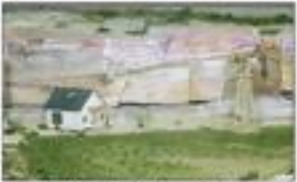


1 — High desert scenery is a natural for modeling trains working their way up the side of a mountain. We like this type of scenery because we can have all the benefits of mountain railroading, as well as being able to view trains almost continuously while they are moving up and down the Jersey Western mainline.

W[illegible]

[illegible]

[illegible]



2 — At the back of Calamity Canyon lie the remnants of a small house, corral and windmill that once constituted the O'Rourke Ranch. Today, the site is but a reminder of a simpler and harder time in an era before trains, mostly with computers.

3 — Shown here are the parts of the [illegible]

[illegible]

## The End: Fine Line Finale

[illegible]

4 — A trick of the eye was used to hide the southeast corner of the room. The [illegible] "extended" around the corner [illegible]

## The End of the Story: The Ranch

[illegible]

# Plan of the month

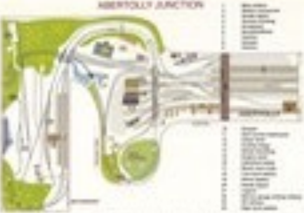
## ABERTOLLY JUNCTION

### Main line, triangular junction, and 4-platform station

[illegible]

[illegible]

# ABERTOLLY JUNCTION



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

# A 15mm DOUBLE FAIRLIE

For two-rail electric operation

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

# BUCKS GREEN, SR

The time is the mid-1930s

A corner of the ex-Brighton between the wars in 4mm, mixing steam and electric traction

[illegible]

[illegible]

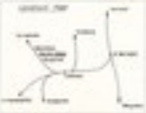
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

# STUDENT MODELLER

[illegible]

# HILLINGSWAY

## A personalised Graham Farish Magnum layout

*[illegible]*

[illegible]

[illegible]

# READERS LETTERS

[illegible]

# RAILROAD PROTOTYPE MODELERS MEET AT THE NMRA NATIONAL CONVENTION, SAN JOSE

Photos by Robert Schleicher on the Free-Mo modular layout

**The Railroad Prototype Modelers (RPM) is a group of modelers who simply show up at conventions around the country each year to share each others' modeling efforts. There is no address, no dues, no newsletter. We do announce the forthcoming conventions in the "Calendar" section of "The Journal" whenever possible. You are invited, and we hope you bring some of your prototype-based models in any scale to share with others. There is sometimes a popular vote contest among the viewers, but the emphasis is on modeling. There are usually some prototype modeling clinics that you can attend as well as the RPM display. The consistent annual events include this get-together as part of the NMRA National Convention, a meet in Naperville, Illinois, on the same September 8-9, 2001 weekend as the National Hobby Show at Rosemont (Chicago), the Western meet in Southern California, a new East Coast meet in Pittsburgh. A meet is scheduled to be held in conjunction with the NMRA National Convention at Saint Louis in July. We'll list these RPM meets in the Calendar section of the magazine as soon as more information is available.**

[illegible] painted, lettered and detailed a Proto 2000 EMD GP7 to match a specific Western Pacific prototype; right down to the weathering patterns and colors.

[illegible] displayed an entire train of O scale cars such as this weathered and detailed [illegible]

NEW ORLEANS
PUBLIC BELT
RAILROAD

[illegible]

PACIFIC FRUIT EXPRESS
PACIFIC FRUIT EXPRESS

[illegible]

[illegible]

SP

[illegible]

# RAILROAD PROTOTYPE MODELERS MEET

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] [illegible] displayed his [illegible] replica of the [illegible] [illegible] [illegible] [illegible] [illegible] an undecorated [illegible] [illegible] model.

[illegible] [illegible] started with a [illegible] [illegible] [illegible] [illegible] and added the [illegible] detail parts to match the model to the prototype Union Pacific [illegible]. There are prototype photos of [illegible] [illegible] in the December [illegible] issue of **"The Journal."**

[illegible] [illegible] displayed his Norfolk Southern [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Products [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Products [illegible] [illegible].

[illegible] [illegible] used an undecorated [illegible] [illegible] as the basis for this [illegible] Southern [illegible]. He used photos of the prototype to [illegible] the details, decals and to serve as guide for the weathering.

# RAILROAD PROTOTYPE MODELERS MEET

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

# Small scenes made simple

Three evening detail projects to bring a layout to life

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## Shamokin Junction

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## McDonald's Siding

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## Mechanicsville Yard

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

# Servicing Lionel's ore dump cars

It's easy to tune these rugged pieces

by Ray L. Plummer | [illegible]

L[illegible]

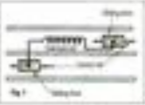


Fig. 1

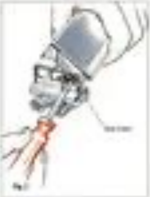
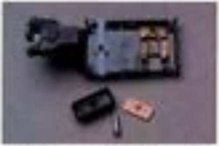


Fig. 2

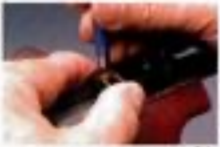
[illegible]

# Replacing those damage-prone collector shoes

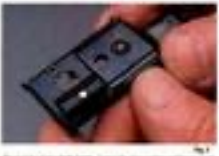
[illegible]



[illegible]



[illegible]



[illegible]

# Truckload of railroad

## The Timber Hill & Western was built by Lunde Studios

**By Jim Hediger** • Photos by Jim Forbes

[illegible]

### Choices

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

### Construction

[illegible]

[illegible]

### It's here!

[illegible]

[illegible]

[illegible]

## We have a problem . . .

[illegible]

[illegible]

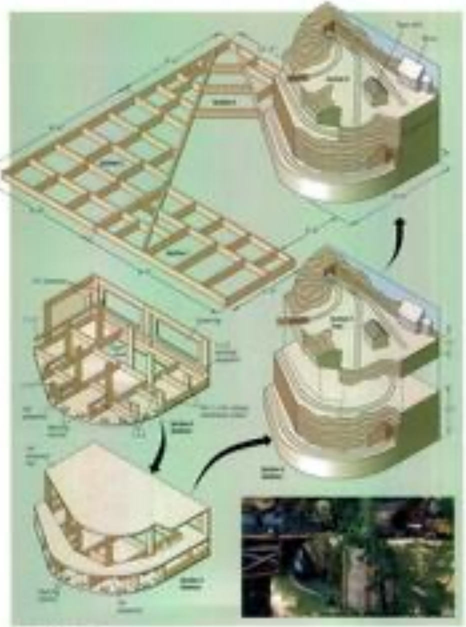
[illegible]

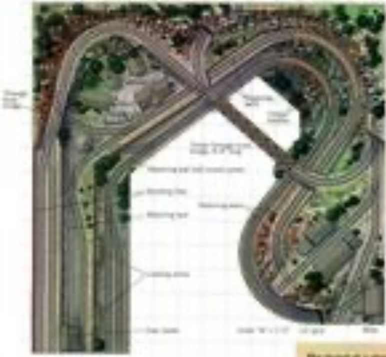
[illegible]

[illegible]

## The party's on

[illegible]





[illegible]

▲ [illegible]

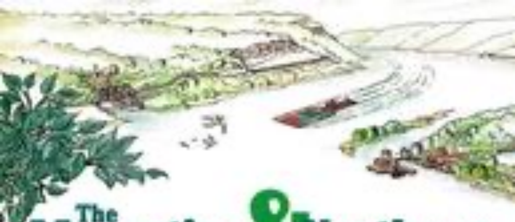
◀ [illegible]

[illegible] ■

[illegible]

## The layout at a glance

**Name:** [illegible]
**Scale:** [illegible]
**Size:** [illegible]
**Length of main line:** [illegible]
**Prototype:** [illegible]
**Locale:** [illegible]
**Period:** [illegible]
**Layout style:** [illegible]
**Layout height:** [illegible]
**Benchwork:** [illegible]
**Roadbed:** [illegible]
**Track:** [illegible]
**Turnouts:** [illegible]
**Minimum radius:** [illegible]
**Scenery construction:** [illegible]
**Control:** [illegible]



# The Muscatine & Northern

### Get started in N scale with this simple track plan

By Melanie [illegible]

[illegible]

## The inspiration

[illegible]

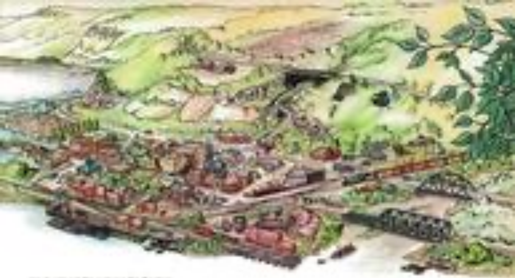
## The plan

[illegible]

## Construction tips

[illegible]

[illegible]



[illegible]

[illegible]

## Hauling grain

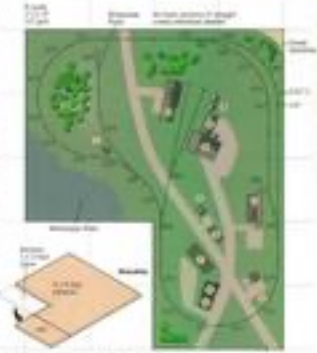
[illegible]

[illegible]

[illegible]

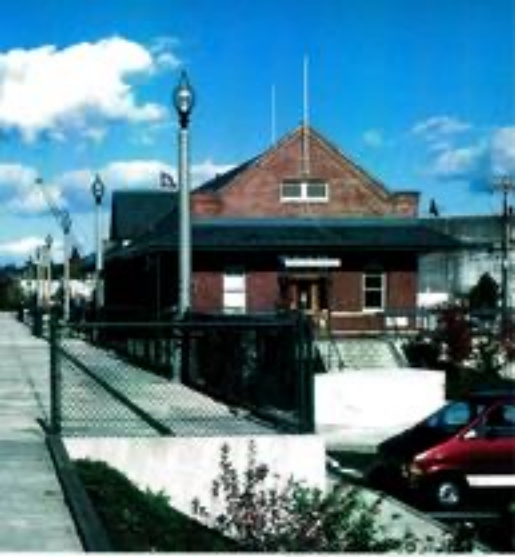
[illegible]

[illegible] ◆



[illegible]

# Kelso, Washington,



[illegible]

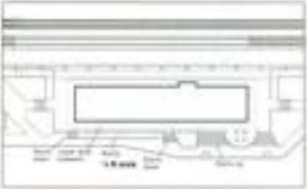
# station

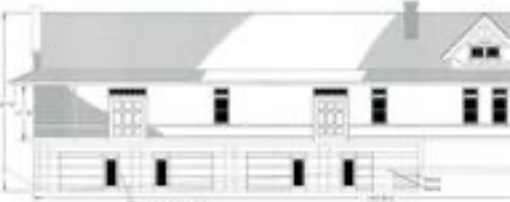
An old station that has found new life as a multi-modal transportation hub

**By Jeff Schultz** • Photos by the author

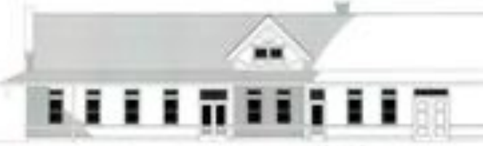
Railroad stations have long been the historic centers of many smaller communities. But as the importance of rail passenger service declined so did the stations and the surrounding neighborhoods, often leaving these once-grand buildings in a state of neglect and disrepair. The former Northern Pacific station at [illegible], Wash., was one such place.

By the early 1970s the building had become a liability. Burlington Northern, corporate successor to the NP, had no interest in maintaining the building, and Amtrak had no funds available to repair the building for its passengers. However, a combination of several events would transpire to allow the depot to once again become an important part of the community.





EAST ELEVATION



WEST ELEVATION

## A rich heritage

[illegible]

[illegible]

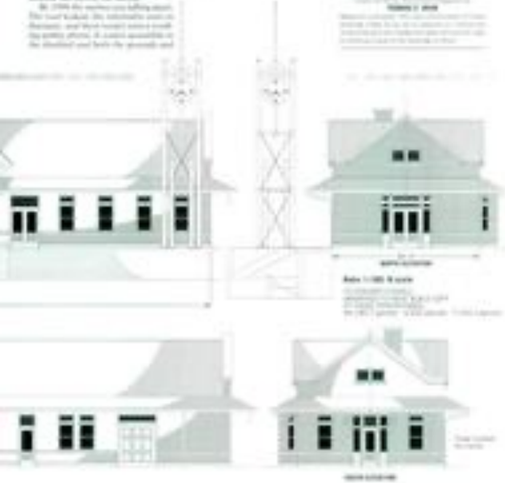
[illegible]

## Road to recovery

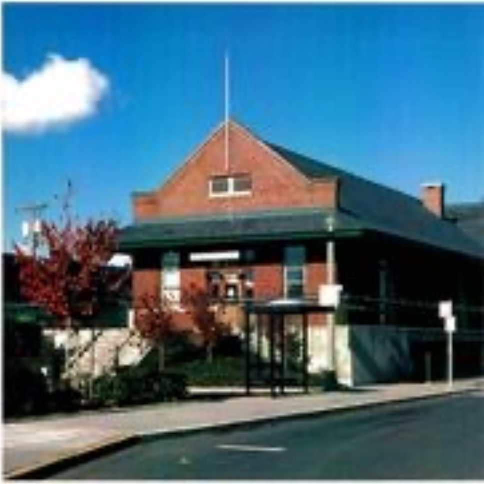
[illegible]

[illegible]

[illegible]



[illegible]



▲ [illegible]

[illegible]

[illegible]

## Kelso today

The [illegible] project began in [illegible] [illegible]

[illegible]

Ownership of the building was [illegible] to the city of Kelso in [illegible]

Total cost of the renovation project was $3.5 million. As a condition of the construction grants the city of Kelso agreed to operate and maintain the facility for at least 27 years. In 1998 the depot

► Community Bus and the local transit authority also use Kelso station, providing easy transfers to and from trains to other modes of ground transportation.

received a Special Citation Award from the American Institute of Architects.

Today Kelso station is an important transportation center. Amtrak serves Kelso with a total of eight trains a day. The station is also a stop for [illegible] the local transit system. Finally, Greyhound also makes numerous departures from the station each day.

## Modeling notes

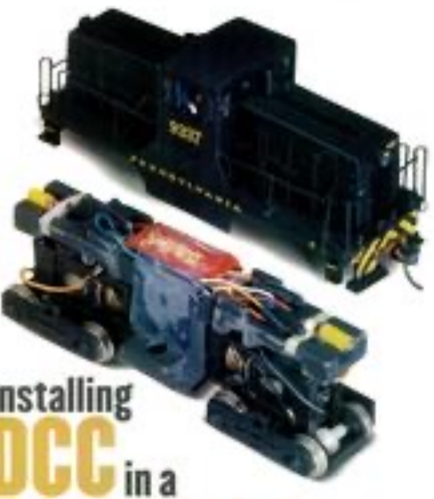
The Kelso station would be a fairly straightforward scratchbuilding project in any scale. The brick walls can be made from plastic sheet, like Plastruct, or by using a [illegible] overall with Holgate and Reynolds brick sheet.

As is the case with most structures the windows and doors will be the most difficult part of this project. I don't know of any exact matches for these old windows. If you're not too fussy you can use commercial door and window castings that are close to the originals. Or you could combine Grandt Line double-hung and horizontal windows to create the large windows with the small upper transoms that help give the building much of its character.

And don't forget the clock tower, which can be fabricated from styrene or brass structural shapes. ◆

Jeff Schultz is a rail planning specialist for the state of Washington. This is his first MR byline.

▼ Despite the renovation which added 1,100 square feet to the structure, the station's NP heritage is still clearly evident.



# Installing DCC in a 44-tonner

By Tony Capato
Photos by Steven E. Flora

Many of us using Digital Command Control (DCC) experience a sense of relief when a manufacturer announces that its latest locomotive is "DCC ready," that is, it has a standard socket somewhere under the shell that accepts a DCC decoder equipped with a plug. This of course makes it easy to get that locomotive up and running.

But how about all those locomotives acquired over the years that are not DCC ready? Isolating the motor from the track pickup leads can be a messy task. Another is finding space inside the locomotive to physically fit the decoder. Converting the Bachmann [illegible] 44-tonner challenges us in both these respects – and adds to it a [illegible] locomotive, it has two motors to deal with. Let's get started!

### [illegible] the motor

[illegible]

Fig. 1 [illegible]

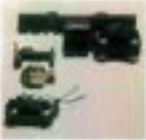
[illegible]

### [illegible] the motor

[illegible]

### [illegible] the decoder

[illegible]



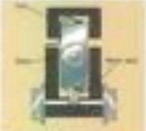


Fig. 2 [illegible]

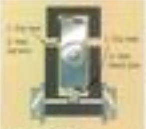


Fig. 3 [illegible]

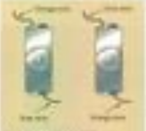
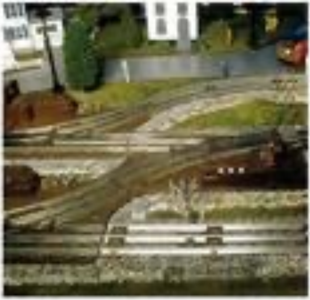


Fig. 4 [illegible]

# Berber ballast

Build a quiet layout with carpet and Velcro fasteners

story and photos by [illegible]



[illegible]

### Softening the blow

[illegible]

[illegible]

Fig. 1. [illegible]

Fig. 2. [illegible]

Fig. 3. [illegible]

Fig. 4. [illegible]

## Foam carpet to ballast

[illegible]

[illegible]

## Getting on track

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## Finishing thoughts

[illegible]

THOMAS TRACKSIDE STATION
at the Choo Choo Barn

NORTH EAST TRAINS
18 Main Street, Peabody, MA 01960
Phone: [illegible]
Fax: [illegible]

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Artrain USA's Artistry of Space Boxcar
The final car in Artrain USA's Series II Lionel Model Train Car Set

Only 500 Produced!

To order, call
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# Transcontinental

[illegible]

## Window display beginnings

[illegible]

## Down on the farm

[illegible]

[illegible]

# traffic

Hi-rail railroading from East to West

by **Harold W. Russell** | photos by the author

3532
5
UN
PAC

[illegible]

## Setting the scene

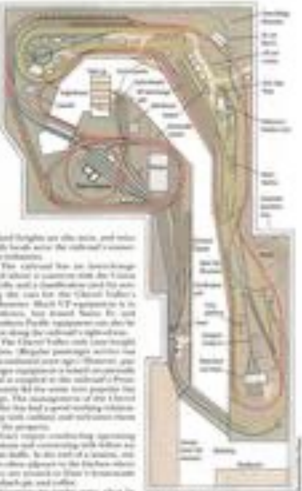
[illegible]

[illegible]

[illegible]

## [illegible] a railroad

[illegible]



**[illegible] Valley RR.**

[illegible]

CLASSIC Trackplans

## From the Nifty '50s:

# A small two-train layout

by Anthony DiLapi

[illegible]

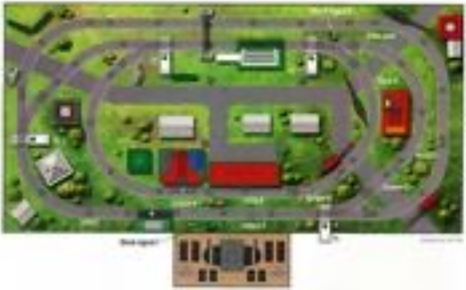
[illegible]

### A good basic plan

[illegible]

Don't let lack of space for a large layout prevent you from having a layout at all.

[illegible]



[illegible]

## Modified for the real world

[illegible]

**Track needed for the O gauge version**

[illegible]

**Accessories needed for the O gauge layout**

[illegible]

# Join the club

A round-up of organizations dedicated to toy trains

by Dennis [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## Independent organizations

**The Train Collectors Association (TCA)** [illegible]

[illegible]

THE BULLETIN
SWITCHER

[illegible]

**The Lionel Collectors Club of America (LCCA)** [illegible]

[illegible]

**The Toy Train Operating Society (TTOS)** [illegible]

[illegible]

**Lionel Operating Train Society (LOTS)** [illegible]

[illegible]

## Train Clubs - Benefits Comparison Chart

[illegible]

[illegible]

**The Marx Trains Advantage** [illegible]

[illegible]

**The Lionel Railroader Club (LRRC)** [illegible]

[illegible]

**The MTH Railroaders' Club (MTHRRC)** [illegible]

[illegible]

## Manufacturer-sponsored clubs

**The Märklin Collector's Club (MCC)** [illegible]

NICHOLAS SMITH TRAINS

ARISTO-CRAFT TRAINS "SPECIALIST"

Charles Ro Supply Company

WORLD'S LARGEST LIONEL DEALER

[illegible]

[illegible]

[illegible]

[illegible]

## ATLAS "O" GAUGE

[illegible]

## GAR GRAVES TRACK

[illegible]

## MTH ELECTRIC TRAINS

[illegible]

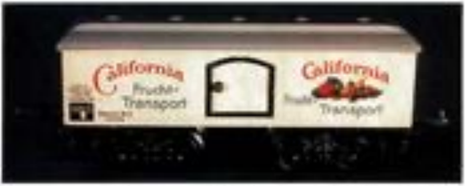
## CORGI

[illegible]

# Karl Bub and the California Frucht Transport

## Questions surround this attractive O gauge model

by Robert S. Butler


California
Frucht
Transport
California
Frucht
Transport

[illegible]

# LATEST REVIEWS

## Products · Books · Videos

[illegible]

## New releases in 00 from Hornby includes latest rebuilt 'MN'

[illegible]

[illegible]

## 'Minimum Gauge' wagon in G

[illegible]

## Industrial nameplates for 7mm scale from David Provan

[illegible]

[illegible]

## More 'Woolworths' as CIE K1 2-6-0s in 4mm scale

[illegible]

## Cement wagon kit from Model Irish Railways in 4mm scale

[illegible]

## Gearboxes from Branchlines

[illegible]

## Tube wagon in N from Chivers

[illegible]

# Banana vans and new run of coach packs in 00 from Dapol

[illegible]

[illegible]

# Digital portal crane and joystick controller from Roco

[illegible]

## 'Felix Pole' 20-ton coal wagon new to Parkside range in 7mm scale

[illegible]

[illegible]

## Trafford train name labels in 4mm

[illegible]

[illegible]

## Deluxe Materials scenic water

[illegible]

# Bus kits and detail parts from Bronkits

[illegible]

# Gaugemaster 'Combi' controller

[illegible]

# 'Forest in a box' pack of seafoam tree material from Orange Dragon

[illegible]

# Book Reviews

## Freight Wagons and Loads

[illegible]

[illegible]

## Richard Trevithick

[illegible]

## Historic Carriage Drawings

[illegible]

## The Mid & GC Joint Line

[illegible]

## Railways of [illegible]

[illegible]

# NEWSDESK

# INFORMATION

## Warley 2000

[illegible]

[illegible]

## [illegible] for Crewe

[illegible]

## Warley Show product news

[illegible]

[illegible]

[illegible]

[illegible]

## Cup Competition

[illegible]

RAILWAY MODELLER CUP

*Entry Form*

[illegible]

1

2

3

4

5

6

[illegible]

Name

Address

[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## Blackburn awards

[illegible]

Bryn y Felin

## Peter Thatcher to retire

[illegible]

## Changes at the top for Hornby

[illegible]

## Graham Parish spares & repairs

[illegible]

[illegible]

## A&B December printing errors

[illegible]

## BGS show rearranged

[illegible]

## DOG & MRC 'Hands On' day

[illegible]

## Calne show

[illegible]

## RM Binding

[illegible]

## David Edgley

[illegible]

## Tom Young

[illegible]

# Societies and Clubs

[illegible]

[illegible]

## Exhibitions

[illegible]

[illegible]

**[illegible]**

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**[illegible]**

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## [illegible]

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## [illegible]

**[illegible]**

[illegible]

[illegible]

## Meetings

[illegible]

## [illegible]

[illegible]

## New Secretaries

[illegible]

## New Exhibition Manager

[illegible]

## New Modelling Club

[illegible]

## [illegible]

[illegible]

## [illegible]

[illegible]

## [illegible]

[illegible]

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[illegible]

## Wanted (Trade)

[illegible]

## Auctions

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## Trade Services

# Private

## Private Sale Products

## Private Sales [illegible]

[illegible]

## [illegible] Prints

[illegible]

[illegible]

## Clubs and Societies

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# Swapmeets · Sales · Fairs

## December

[illegible]

## January 2001

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[illegible]

## February

[illegible]

## April

[illegible]

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## Space Requirements

[illegible]

## Ease of Use

[illegible]

## [illegible]

[illegible]

[illegible]

# Basic Painting Skills

[illegible]

[illegible]

### [illegible]

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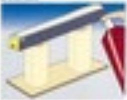

### [illegible]

[illegible]

[illegible]

[illegible]

# Brush Painting

[illegible]

[illegible]

## Aerosols

[illegible]

## Airbrushing

[illegible]

[illegible]

# Practical Layout Wiring

[illegible]

[illegible]

## Plugs and terminal strips

[illegible]

[illegible]

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[illegible]

# Railway Profiles 6

## R.E.L. Maunsell, C.B.E.

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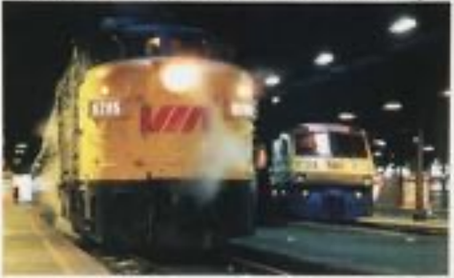

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## Have tools, will travel

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## E8 info for BNSF's surge fleet

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## Still looking for a home

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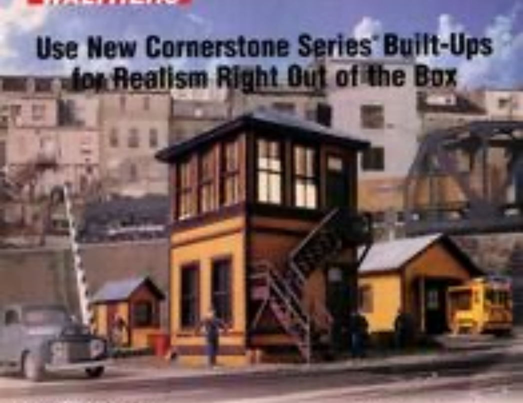

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Missouri Pacific [illegible]
[illegible] [illegible]
Texas & Pacific [illegible]
HO Plug door insulated
[illegible] [illegible]
New Haven [illegible] [illegible]
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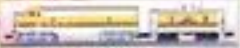

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